

FILE 'REGISTRY' ENTERED AT 12:49:06 ON 17 OCT 2003
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STRUCTURE FILE UPDATES: 15 OCT 2003 HIGHEST RN 605619-14-5
DICTIONARY FILE UPDATES: 15 OCT 2003 HIGHEST RN 605619-14-5

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

```
=> s cyclase inhibiting parathyroid hormone  
      2411 CYCLASE  
      6765 INHIBITING  
      270 PARATHYROID  
      8205 HORMONE  
L1          0 CYCLASE INHIBITING PARATHYROID HORMONE  
                  (CYCLASE(W) INHIBITING(W) PARATHYROID(W) HORMONE)
```

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2
AN 2001:211526 CAPLUS
DN 134:247444
TI Paradoxical actions of exogenous and endogenous parathyroid
hormone-related protein on renal vascular smooth muscle cell
proliferation: reversion in the SHR model of genetic hypertension
AU Massfelder, Thierry; Taesch, Nathalie; Endlich, Nicole; Eichinger, Anne;
Escande, Benoit; Endlich, Karlhans; Barthelmebs, Mariette; Helwig,
Jean-Jacques
CS Section of Renovascular Pharmacology and Physiology (INSERM-ULP),
University Louis Pasteur School of Medicine, Strasbourg, Fr.
SO FASEB Journal (2001), 15(3), 707-718
CODEN: FAJOEC; ISSN: 0892-6638
PB Federation of American Societies for Experimental Biology
DT Journal
LA English

L Number	Hits	Search Text	DB	Time stamp
1	4	cyclase adj inhibiting adj parathyroid adj hormone	USPAT; US-PPGPUB; EPO; DERWENT	2003/10/17 10:10
2	14	cyclase same inhibiting same parathyroid same hormone	USPAT; US-PPGPUB; EPO; DERWENT	2003/10/17 10:10

FILE 'CAPLUS, MEDLINE, BIOSIS, CA, SCISEARCH, EMBASE' ENTERED AT 10:20:38
ON 17 OCT 2003

L1 4 S CYCLASE (W) INHIBITING (W) PARATHYROID (W) HORMONE
L2 2 DUPLICATE REM L1 (2 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 10:22:48 ON 17 OCT 2003

FILE 'CAPLUS, MEDLINE, BIOSIS, CA, SCISEARCH, EMBASE' ENTERED AT 10:27:10
ON 17 OCT 2003

L3 0 S L1 AND (IMMUNOASSAY OR ASSAY)
L4 86 S CYCLASE (S) INHIBITING (S) PARATHYROID (S) HORMONE
L5 42 DUPLICATE REM L4 (44 DUPLICATES REMOVED)
L6 4 S L5 AND (IMMUNOASSAY OR ASSAY)
L7 7 S L4 AND ANTIBOD?
L8 5 DUPLICATE REM L7 (2 DUPLICATES REMOVED)

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Search in Swiss-Prot and TrEMBL for: cyclase inhibiting parathyroid hormone

Swiss-Prot Release 42.0 of 10-Oct-2003: 135850 entries

TrEMBL Release 24.15 of 10-Oct-2003: 934132 entries

Enter search keywords:

 Prefix and append wildcard '*' to words.Search in: Swiss-Prot TrEMBL

By default, this search engine searches for complete words only. If you did not find what you expected, and would try to do a substring match, you should perform a new search and select 'prefix and append wildcard to words'.

Warning: The search for adjacent words is performed for only two words.

The request is performed as:

cyclase inhibiting AND inhibiting parathyroid AND parathyroid hormone

No entries have been found in Swiss-Prot and TrEMBL. Please try again.

If you are confident that you have not made any mistake in typing in your request and that the protein(s) that you are interested seem to currently be missing from Swiss-Prot, you can leave a message to the Swiss-Prot team so that they can, if possible, create these entries.

[Send a mail to Swiss-Prot](#)

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Hosted by NCSC US	Mirror sites	Bolivia	Canada	China	Korea	Switzerland	Taiwan
Search <input type="text" value="Swiss-Prot/TrEMBL"/>		<input type="checkbox"/> for <input type="text" value="cyclase inhibiting parathy"/>		<input type="button" value="Go"/>	<input type="button" value="Clear"/>		

Search in Swiss-Prot and TrEMBL for: cyclase inhibiting parathyroid hormone

Swiss-Prot Release 42.0 of 10-Oct-2003

TrEMBL Release 24.15 of 10-Oct-2003

No entries have been found. Please try again.

in Swiss-Prot/TrEMBL by AC, ID, description,
gene name, organism

**Please do NOT use any boolean operators (and,
or, etc.)**

If you are confident that you have not made any mistake in typing in your request and that the protein(s) that you are interested seem to currently be missing from Swiss-Prot/TrEMBL, you can leave a [message to the Swiss-Prot team](#) so that they can, if possible, create these entries.

Please note, however, that your search may have been unsuccessful because the specified keyword(s) do not appear in the ID, DE, GN, OS or OG lines, but elsewhere in a Swiss-Prot/TrEMBL entry.

Try a [full text search in Swiss-Prot/TrEMBL with the same keyword\(s\)](#)

or

Query Swiss-Prot and TrEMBL using the [Sequence Retrieval System \(SRS\)](#), which also allows to perform more directed searches with more sophisticated criteria.

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Hosted by NCSC US	Mirror sites	Bolivia	Canada	China	Korea	Switzerland	Taiwan

L6 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
TI Analysis of the requirements for parathyroid hormone action in renal
membranes with the use of inhibiting analogs
AB Two synthetic analogs of bovine parathyroid hormone (PTH) [12584-97-3] with NH₂-terminal modifications, PTH(3-34) [51257-86-4] and, [desamino-Ala-1]PTH-(1-34) [56378-50-8], were found to lack agonist activity but to demonstrate antagonist properties when tested in the rat renal cortical adenylyl cyclase [9012-42-4] assay in vitro against the native hormone or against PTH-(1-34) [12583-68-5], the active synthetic NH₂-terminal tetracontapeptide. The inhibition exhibited by these analogs was proportional in degree to the dose of inhibitor, abolished by oxidn. of the analog, reversible by addn. of an excess of active hormone, and sp. for parathyroid hormone-stimulated renal adenylyl cyclase. No inhibition of basal or sodium fluoride-stimulated renal adenylyl cyclase could be demonstrated. Two other synthetic bovine analogs, PTH-(13-34) [51288-19-8] and PTH-(1-26) [51193-54-5], were devoid of agonist and antagonist properties. The over-all results suggest that the requirements for receptor binding of parathyroid hormone are rather broad. Conformational factors or binding interactions involving sp. residues, or both, seem to require the entire sequence from residue 3 to residue 27 for receptor binding to occur. A dichotomy between receptor binding and adenylyl cyclase activation was demonstrated only by alterations or deletions involving the 1st 2 NH₂-terminal residues of the hormone and emphasizes the importance of these residues in eliciting the biol. activity of parathyroid hormone. The 2 antagonists, [desamino-Ala-1]PTH-(1-34) and PTH(3-34), should be useful in further anal. of the initial steps in hormone action.
SO Journal of Biological Chemistry (1975), 250(8), 3199-203
CODEN: JBCHA3; ISSN: 0021-9258
AU Goltzmann, David; Peytremann, Andre; Callahan, Edward; Tregear, Geoffrey W.; Potts, John T., Jr.

2 PARATHYROID HORMONE (1-11)
E5 1 PARATHYROID HORMONE (1-11) AMIDE, ALA(3)-GLN(1
E6 2 PARATHYROID HORMONE (1-14) AMIDE
E7 2 PARATHYROID HORMONE (1-28)
E8 2 PARATHYROID HORMONE (1-30)
E9 6 PARATHYROID HORMONE (1-31)
E10 3 PARATHYROID HORMONE (1-31)-NH₂, LEUCYL(27)-CYC
E11 87 PARATHYROID HORMONE (1-34)
E12 22 PARATHYROID HORMONE (1-34) AMIDE

Enter P or PAGE for more

?p

Ref Items Index-term
E13 11 PARATHYROID HORMONE (1-34) AMIDE, NLE(8), NLE(1-34)-NH₂, NLE(8,18)-LYS(1-34), ALA(25,26,27)-
E14 1 PARATHYROID HORMONE (1-34), ARG(2)-
E15 1 PARATHYROID HORMONE (1-34), LEU(8), ASP(10), LYS(1-34)-
E16 3 PARATHYROID HORMONE (1-34), LEU(8), ASP(10), LYS(1-34)-
E17 3 PARATHYROID HORMONE (1-34), LEU(8), ASP(10), LYS(1-34)-
E18 3 PARATHYROID HORMONE (1-37)
E19 1 PARATHYROID HORMONE (1-84), ASP(76)-
E20 1 PARATHYROID HORMONE (14-34) AMIDE, TYR(34)-
E21 1 PARATHYROID HORMONE (19-38)
E22 1 PARATHYROID HORMONE (2-34)
E23 3 PARATHYROID HORMONE (24-48)
E24 7 PARATHYROID HORMONE (28-48)

Enter P or PAGE for more

?p

Ref Items Index-term
E25 1 PARATHYROID HORMONE (28-54)
E26 39 PARATHYROID HORMONE (3-34)
E27 26 PARATHYROID HORMONE (3-34) AMIDE, NLE(8,18)-NL
E28 1 PARATHYROID HORMONE (3-34) AMIDE
E29 3 PARATHYROID HORMONE (3-84)
E30 1 PARATHYROID HORMONE (3-84), FORMYLMETHIONYL-
E31 1 PARATHYROID HORMONE (37-84)
E32 1 PARATHYROID HORMONE (4-84)
E33 1 PARATHYROID HORMONE (42-55), 55-TYR-
E34 1 PARATHYROID HORMONE (43-68), 68-TYR-
E35 15 PARATHYROID HORMONE (44-68)
E36 1 PARATHYROID HORMONE (44-68), 43-TYR-

Enter P or PAGE for more

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Ref Items RT Index-term
E37 4 PARATHYROID HORMONE (46-84)
E38 1 PARATHYROID HORMONE (53-68)
E39 21 PARATHYROID HORMONE (53-84)
E40 2 PARATHYROID HORMONE (65-84)
E41 1 PARATHYROID HORMONE (68-84)
E42 20 PARATHYROID HORMONE (7-34) AMIDE, TYR(34)-
E43 1 PARATHYROID HORMONE (7-34)-NH₂, AHX(8,18)-TRP(1-34)-
E44 7 PARATHYROID HORMONE (7-84)
E45 2 PARATHYROID HORMONE (8-34)
E46 4 PARATHYROID HORMONE (8-84)
E47 826 PARATHYROID HORMONE //RECEPTORS, (RECEPTORS, PARATHYROID HORMONE)
E48 0 1 PARATHYROID HORMONE RECEPTORS

Enter P or PAGE for more

?p

Ref Items Index-term
E49 2 PARATHYROID HORMONE RELATED PROTEIN (1-34)
E50 8 PARATHYROID HORMONE RELATED PROTEIN (7-34) AMI

?s e4-e46

2 PARATHYROID HORMONE (1-11)
1 PARATHYROID HORMONE (1-11) AMIDE, ALA(3)-GLN(1
2 PARATHYROID HORMONE (1-14) AMIDE
2 PARATHYROID HORMONE (1-28)
2 PARATHYROID HORMONE (1-30)
6 PARATHYROID HORMONE (1-31)
3 PARATHYROID HORMONE (1-31)-NH₂, LEUCYL(27)-CYC
87 PARATHYROID HORMONE (1-34)
22 PARATHYROID HORMONE (1-34) AMIDE
11 PARATHYROID HORMONE (1-34) AMIDE, NLE(8), NLE(1
1 PARATHYROID HORMONE (1-34)-NH₂, NLE(8,18)-LYS(1
1 PARATHYROID HORMONE (1-34), ALA(25,26,27)-
1 PARATHYROID HORMONE (1-34), ARG(2)-
3 PARATHYROID HORMONE (1-34), LEU(8), ASP(10), LYS
3 PARATHYROID HORMONE (1-37)
1 PARATHYROID HORMONE (1-84), ASP(76)-
1 PARATHYROID HORMONE (14-34) AMIDE, TYR(34)-
1 PARATHYROID HORMONE (19-38)
1 PARATHYROID HORMONE (2-34)
3 PARATHYROID HORMONE (24-48)
7 PARATHYROID HORMONE (28-48)
1 PARATHYROID HORMONE (28-54)
39 PARATHYROID HORMONE (3-34)
26 PARATHYROID HORMONE (3-34) AMIDE, NLE(8,18)-NL
1 PARATHYROID HORMONE (3-34) AMIDE
3 PARATHYROID HORMONE (3-84)
1 PARATHYROID HORMONE (3-84), FORMYLMETHIONYL-
1 PARATHYROID HORMONE (37-84)
1 PARATHYROID HORMONE (4-84)
1 PARATHYROID HORMONE (42-55), 55-TYR-
1 PARATHYROID HORMONE (43-68), 68-TYR-
15 PARATHYROID HORMONE (44-68)
1 PARATHYROID HORMONE (44-68), 43-TYR-
4 PARATHYROID HORMONE (46-84)
1 PARATHYROID HORMONE (53-68)
21 PARATHYROID HORMONE (53-84)
2 PARATHYROID HORMONE (65-84)
1 PARATHYROID HORMONE (68-84)
20 PARATHYROID HORMONE (7-34) AMIDE, TYR(34)-
1 PARATHYROID HORMONE (7-34)-NH₂, AHX(8,18)-TRP(7
7 PARATHYROID HORMONE (7-84)
2 PARATHYROID HORMONE (8-34)
4 PARATHYROID HORMONE (8-84)

S1 275 E4-E46

8 PARATHYROID HORMONE RELATED PROTEIN (7-34) AMI
 E2 153 PARATHYROID HORMONE RELATED PROTEIN(1-34)
 E3 35 PARATHYROID HORMONE (1-38)
 E4 1 PARATHYROID HORMONE (7-34)NH2, NLE(8,18)-TRP(12
 E5 1 PARATHYROID HORMONE-DEGRADING ENZYME
 E6 323 PARATHYROID HORMONE-LIKE PEPTIDE RECEPTOR
 E7 1 PARATHYROID HORMONE-RELATED PEPTIDE (1-36)
 E8 1 PARATHYROID HORMONE-RELATED PEPTIDE (38-141)
 E9 1 PARATHYROID HORMONE-RELATED PEPTIDE (38-64)
 E10 27 PARATHYROID HORMONE-RELATED PEPTIDE(1-36)
 E11 1674 PARATHYROID HORMONE-RELATED PROTEIN
 E12 2 PARATHYROID HORMONE-RELATED PROTEIN (1-139)

Enter P or PAGE for more

?s e5
S5 1 'PARATHYROID HORMONE-DEGRADING ENZYME'

?s e1-e4
8 PARATHYROID HORMONE RELATED PROTEIN (7-34) AMI
153 PARATHYROID HORMONE RELATED PROTEIN(1-34)
35 PARATHYROID HORMONE (1-38)
1 PARATHYROID HORMONE (7-34)NH2, NLE(8,18)-TRP(12

S6 194 E1-E4

?p

Ref	Items	Index-term
E13	2	PARATHYROID HORMONE-RELATED PROTEIN (1-16)
E14	3	PARATHYROID HORMONE-RELATED PROTEIN (109-141)
E15	1	PARATHYROID HORMONE-RELATED PROTEIN (67-84)
E16	1	PARATHYROID HORMONE-RELATED PROTEIN (67-86)
E17	1	PARATHYROID HORMONE-RELATED PROTEIN (7-34)-NH2
E18	14	PARATHYROID HORMONE-RELATED PROTEIN(1-141)
E19	3	PARATHYROID HORMONE-RELATED PROTEIN(1-36)AMIDE
E20	2	PARATHYROID HORMONE-RELATED PROTEIN(1-40), TYR
E21	7	PARATHYROID HORMONE-RELATED PROTEIN(1-74)
E22	20	PARATHYROID HORMONE-RELATED PROTEIN(1-86)
E23	8	PARATHYROID HORMONE-RELATED PROTEIN(107-111)
E24	5	PARATHYROID HORMONE-RELATED PROTEIN(109-138)

Enter P or PAGE for more

?p

Ref	Items	Index-term
E25	1	PARATHYROID HORMONE-RELATED PROTEIN(14-34) AMI
E26	2	PARATHYROID HORMONE-RELATED PROTEIN(3-34)
E27	1	PARATHYROID HORMONE-RELATED PROTEIN(3-40), TYR
E28	1	PARATHYROID HORMONE-RELATED PROTEIN(37-67)
E29	2	PARATHYROID HORMONE-RELATED PROTEIN(53-84)
E30	9	PARATHYROID HORMONE-RELATED PROTEIN(7-34) AMID
E31	15	PARATHYROID HORMONE-RELATED PROTEIN-(107-139)
E32	1	PARATHYROID HORMONE-RELATED PROTEIN, BPA(1) -
E33	1	PARATHYROID HORMONE-RELATED-PROTEIN (1-38)
E34	1	PARATHYROID HORMONE-RELATED-PROTEIN (100-114)
E35	1	PARATHYROID HORMONE-RELATED-PROTEIN, BPA(2) -
E36	1	PARATHYROID HORMONE-RESPONSIVE B1 PROTEIN, HUM

Enter P or PAGE for more

?s e7-e35
1 PARATHYROID HORMONE-RELATED PEPTIDE (1-36)
1 PARATHYROID HORMONE-RELATED PEPTIDE (38-141)
1 PARATHYROID HORMONE-RELATED PEPTIDE (38-64)
27 PARATHYROID HORMONE-RELATED PEPTIDE(1-36)
1674 PARATHYROID HORMONE-RELATED PROTEIN
2 PARATHYROID HORMONE-RELATED PROTEIN (1-139)
2 PARATHYROID HORMONE-RELATED PROTEIN (1-16)
3 PARATHYROID HORMONE-RELATED PROTEIN (109-141)
1 PARATHYROID HORMONE-RELATED PROTEIN (67-84)
1 PARATHYROID HORMONE-RELATED PROTEIN (67-86)
1 PARATHYROID HORMONE-RELATED PROTEIN (7-34)-NH2
14 PARATHYROID HORMONE-RELATED PROTEIN(1-141)

3 PARATHYROID HORMONE-RELATED PROTEIN(1-36) AMIDE
2 PARATHYROID HORMONE-RELATED PROTEIN(1-40), TYR
7 PARATHYROID HORMONE-RELATED PROTEIN(1-74)
20 PARATHYROID HORMONE-RELATED PROTEIN(1-86)
8 PARATHYROID HORMONE-RELATED PROTEIN(107-111)
5 PARATHYROID HORMONE-RELATED PROTEIN(109-138)
1 PARATHYROID HORMONE-RELATED PROTEIN(14-34) AMI
2 PARATHYROID HORMONE-RELATED PROTEIN(3-34)
1 PARATHYROID HORMONE-RELATED PROTEIN(3-40), TYR
1 PARATHYROID HORMONE-RELATED PROTEIN(37-67)
2 PARATHYROID HORMONE-RELATED PROTEIN(53-84)
9 PARATHYROID HORMONE-RELATED PROTEIN(7-34) AMID
15 PARATHYROID HORMONE-RELATED PROTEIN-(107-139)
1 PARATHYROID HORMONE-RELATED PROTEIN, BPA(1)-
1 PARATHYROID HORMONE-RELATED-PROTEIN (1-38)
1 PARATHYROID HORMONE-RELATED-PROTEIN (100-114)
1 PARATHYROID HORMONE-RELATED-PROTEIN, BPA(2) -